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L6 and (705/$).ccls.	27

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Search History

DATE: Wednesday, May 30, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=ADJ		
L9	L6 and (705/$).ccls.	27	L9
L8	L7 and (705/$).ccls.	1	L8
L7	L6 and (exit$3 or gat$3) same (control$6 or determin$6 or monitor$6) same egress	5	L7
L6	(video or camera or image or photo or photograph$6) same (two-way$ or feedback or wireless$2 or remote$2 or automat$6) same (payment or pay$6) same (park$3 or lot or garage)	155	L6
L5	L3 and (video or camera or image or photo or photograph$6) same (two-way$ or feedback or wireless$2 or remote$2 or automat$6) same (payment or pay$6) same (park$3 or lot or garage)	0	L5
L4	6584380.pn.	1	L4
L3	(4603390 or 6032126).pn.	2	L3
L2	frenel.xa.	74	L2

L1	(20050261986 or 20020013815).pn.	2	L1

END OF SEARCH HISTORY

L9: Entry 15 of 27 File: PGPB Jan 2, 2003

DOCUMENT-IDENTIFIER: US 20030004792 A1
TITLE: System and method to remotely control and monitor a parking garage revenue system and gate via an open network connection

Current US Classification, US Primary Class/Subclass:
705/13

Summary of Invention Paragraph:
[0017] In accordance with still another aspect of the present invention, a method of providing remote assistance at a parking gate is provided. The method comprises the following steps, the order of which may vary: (i) providing a first computer system at the parking facility, the first computer system being communicably coupled to the Internet via a secure connection; (ii) providing a mechanism at the gate, the mechanism being adapted to move the gate in response to control signals from the first computer system; (iii) providing an interface system at a payment transaction device being adapted to transmit and receive audio and video information for communicating with a parking patron; (iv) providing a presence detection device to sense the presence of said patron at said payment transaction device; (v) providing a second computer system located at a remote location relative to the first computer system and the parking facility, wherein the second computer system is adapted to be communicably coupled to the Internet as needed; (vi) communicating with the patron at the gate from the remote location using the computer systems and via the Internet; (v) providing assistance in processing payments via an onsite cash accepter or an onsite credit card processor or an offsite credit card processor; (vi) authorizing passage of the patron through the gate from the remote location; (vi) sending a gate movement command from the second computer system to the first computer system via the Internet; and (vii) moving the gate to allow the patron to pass through the gate based on the gate movement command.

Detail Description Paragraph:
[0046] FIG. 3 is a simplified schematic of a third embodiment of the present invention. In the third embodiment of FIG. 3, the gate controller system 22 is a rack of computer components and a server. As in the first embodiment, the gate controller system 22 is communicably coupled to a remote terminal 28 via the Internet 26. The gate controller system 22 of the third embodiment is communicably coupled to a number of components for interacting with a parking garage patron at a gate 20 of a parking garage, for controlling access into or out of the parking garage, and for monitoring activities at the gates or in and around the parking garage. The components communicable coupled to the gate controller system 22 include: three gates 20; a magnetic strip scanner 34 for cards (e.g., for scanning credit cards, ATM (automated teller machine) debit cards, prepaid cards, access cards, validated tickets, and/or time stamp cards); a cash machine 36; a numeric keypad 38; a toll tag scanner 40; a touch screen monitor 42; and two video cameras 44. These components shown in the third embodiment are just some of the possible components that may be communicably coupled to the gate controller system 22. There are other components (not shown) that also may be communicably coupled to the gate controller system 22 for an embodiment of the present invention, including but not limited to: a presence detector for detecting when a person or vehicle at a gate, a fingerprint scanner, an eye scanner, a license plate recognition system, a radio

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L7: Entry 5 of 5 File: USPT Dec 11, 2001

DOCUMENT-IDENTIFIER: US 6329930 B1
TITLE: Method and apparatus for detection of a breach of a security gate

Brief Summary Text (4):
Security gates are well known in the art, particularly those that control ingress and egress from parking lots and parking structures. These gates typically are operated by the use of some access card, remote control device, keypad, telephone entry system or other electronic access control, or by the payment of a fee, for example a parking fee or a road toll. Often the gate is remotely located and not manned, or at least not manned twenty-four hours a day seven days a week. A problem exists in the art where such gates are breached by an intruder without authorized access or someone departing without paying the appropriate fee. The gates are typically made of metal, wood or plastic so that a vehicle can easily drive through the gate, breaking off the gate. Even more heavy duty metal gates and roll-up doors and the like can be breached in this manner with a large enough vehicle. When this happens, known gates have been adapted to set off an alarm. In some cases surveillance cameras are located near the gate to record such events. In the case of remotely located gates and off-hours intrusions, the camera may not have enough recording capacity to still have on the recorded video the breach and/or the breacher is long gone before the tape is viewed. Another issue that needs addressing is the situation where a tail-gaiter behind an authorized entrant clears through the gate before is closes.

Brief Summary Text (5):
Upon a valid authorization, some form of a controller, e.g., a microcomputer or microcontroller, opens the gate. This allows the vehicle to ingress or egress and in so doing the vehicle passes over or by a sensor, typically a magnetic loop, but it could be a must come down before the loop sensor senses a second vehicle passing the loop sensor.

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☐ 1. Document ID: US 20070069921 A1

L7: Entry 1 of 5 File: PGPB Mar 29, 2007

PGPUB-DOCUMENT-NUMBER: 20070069921
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20070069921 A1

TITLE: AUTOMATED SITE SECURITY, MONITORING AND ACCESS CONTROL SYSTEM

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Drawi De

☐ 2. Document ID: US 20040233036 A1

L7: Entry 2 of 5 File: PGPB Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040233036
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040233036 A1

TITLE: Automated site security, monitoring and access control system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Drawi De

☐ 3. Document ID: US 20030014316 A1

L7: Entry 3 of 5 File: PGPB Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030014316
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030014316 A1

TITLE: Audio/video automated payment facility

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Drawi De

☐ 4. Document ID: US 7119674 B2

L7: Entry 4 of 5 File: USPT Oct 10, 2006

US-PAT-NO: 7119674
DOCUMENT-IDENTIFIER: US 7119674 B2

TITLE: Automated site security, monitoring and access control system

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040233036 A1	November 25, 2004

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☑ 5. Document ID: US 6329930 B1

L7: Entry 5 of 5 File: USPT Dec 11, 2001

US-PAT-NO: 6329930
DOCUMENT-IDENTIFIER: US 6329930 B1

TITLE: Method and apparatus for detection of a breach of a security gate

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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Terms	Documents
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L5	L3 and (video or camera or image or photo or photograph$6) same (two-way$ or feedback or wireless$2 or remote$2 or automat$6) same (payment or pay$6) same (park$3 or lot or garage)	0	L5
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